

# PATENT APPLICATION

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

31109 U.S. PTO  
10/674631



Sir:

Enclosed herewith for filing is the following utility patent application.

Applicants: Shashank C. Deshmukh  
Michael N. Grimbergen

Title of application: METHOD AND APPARATUS FOR ENDPOINT  
DETECTION DURING AN ETCH PROCESS

Pages of specification: 21 (including 6 pages of claims  
and 1 page of Abstract)

Sheets of drawings: 7

Executed on: SEPT. 29, 2003 Docket No.: 8233/ETCH/SILICON/JB

PATENT APPLICATION FILING FEE CALCULATION					
	<u>No. Filed</u>	<u>Less</u>	<u>Rate/Claim</u>		<u>Fee</u>
Total Claims	41	-20	21 x \$18.00	\$	378.00
Independent Claims	4	- 1	0 x \$84.00	\$	84.00
Minimum Filing Fee					\$ 750.00
Multiple Dependency Fee (if applicable - \$280.00)					\$
50% Reduction for Small Entity (Independent Inventor, Non-profit Corporation, or Small Business Concern) - appropriate verified statement attached					- \$ 0.00
<b>TOTAL FILING FEE</b>					<b><u>\$1,212.00</u></b>

Kindly charge the entire and/or any additional filing fee, as appropriate, to deposit account number 50-1074. To facilitate that charge, a duplicate copy of this letter is enclosed herewith.

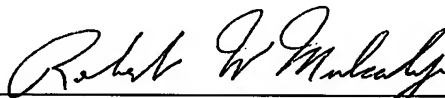
Please direct all correspondence to:

Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450A  
Santa Clara, CA 95052

Also enclosed herewith for filing in connection with the enclosed application are:

☐ Oath;  
☒ Declaration and Power of Attorney;  
☐ Disclosure Statement;  
☐ Letter referencing previously filed disclosure document; number \_\_\_\_\_ filed \_\_\_\_\_;  
☐ Verified Statement claiming small entity status;  
☒ An assignment of the application to Applied Materials, Inc.;  
☐ Claim(s) to priority:  
                    Serial Number                    Filing date  
  
☐ A certified copy of a \_\_\_\_\_ patent application or inventor's certificate, filed \_\_\_\_\_ and serial no. \_\_\_\_\_, upon which a claim to priority is made;  
☒ 7 sheets of formal drawings.

Respectfully submitted,

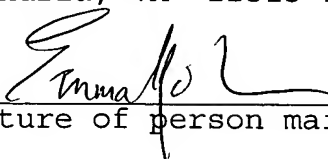


Robert W. Mulcahy, Attorney  
Reg. No. 25,436

\*\*\*EXPRESS MAIL CERTIFICATION\*\*\*

"Express Mail" mailing label number: EV 341110114 US  
Date of deposit: SEPTEMBER 29, 2003

I hereby certify that this patent application and related papers is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Signature of person mailing paper or fee

Emma Korn  
Name of person mailing paper or fee

**UNITED STATES PATENT APPLICATION FOR:**

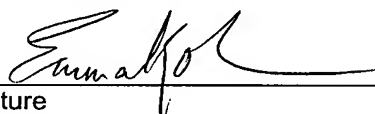
**METHOD AND APPARATUS FOR ENDPOINT DETECTION  
DURING AN ETCH PROCESS**

**INVENTORS:**

**SHASHANK C. DESHMUKH  
MICHAEL N. GRIMBERGEN**

**CERTIFICATION OF MAILING UNDER 37 C.F.R. 1.10**

I hereby certify that this New Application and the documents referred to as enclosed therein are being deposited with the United States Postal Service on SEPT 29 2003, in an envelope marked as "Express Mail United States Postal Service", Mailing Label No. EV341110114 US addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
\_\_\_\_\_  
Signature

Emma Koh  
\_\_\_\_\_  
Name

SEPT. 29, 2003  
\_\_\_\_\_  
Date of signature

**ATTORNEY DOCKET NUMBER: 8233/ETCH/SILICON**

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